

What is claimed is:

1. A color filter array having a red filter layer
on a substrate
wherein the red filter layer comprises
5 a xanthene dye having its absorption maximum at a wavelength
of 500 to 600 nm, and
a pirazolone azo dye having its absorption maximum at a
wavelength of 400 to 550 nm; and
has a transmittance at a wavelength of 535 nm of 1% or less
10 and that at 650 nm of 90% or more.
2. The color filter array having a red filter layer
on a substrate according to claim 1,
wherein the red filter layer further comprises a pyridone
azo dye having its absorption maximum at a wavelength of
15 400 to 500 nm, and has a transmittance of 5% or less at
450 nm.
3. A process for producing a color filter array
having a red filter layer on a substrate
which comprises the step of patterning a photosensitive
20 resin composition comprising
a xanthene dye having its absorption maximum at a wavelength
of 500 to 600 nm, and
a pirazolone azo dye having its absorption maximum at a
wavelength of 400 to 550 nm; and
25 to form the red filter layer having a transmittance at a
at a wavelength of 535 nm of 1% or less and that at 650
nm of 90% or more.